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(54) Title: A METHOD OF ENHANCING SPECTRAL DATA

(55) Abstract: A method of enhancing spectral data such as a frequency, wavelength or mass spectrum comprises applying an inverse Fourier Transform to the data in the frequency, wavelength or mass spectrum, zero-filling and, optionally, apodizing that inverse transform data, and then applying a Fourier Transform to convert the inverse data back into the frequency, wavelength or mass domain. The resultant processed spectrum provides a more accurate indication of peak location, shape and height.